

Claims

We claim:

1. A low-noise current reference circuitry, comprising:
5 a reference voltage source configured to generate a reference voltage;
a current source configured to provide a low-noise output current in response to a control
signal; and
a controller configured to provide the control signal based at least in part on the relative
magnitudes of the reference voltage and a voltage derived from the output current.
2. A low-noise voltage reference circuitry, comprising:
a reference voltage source configured to generate a reference voltage;
a voltage source configured to provide a low-noise output voltage in response to a control
signal; and
a controller configured to provide the control signal based at least in part on the relative
magnitudes of the output voltage and the reference voltage.
3. A radio-frequency (RF) apparatus, comprising:
a first circuit partition, comprising receiver analog circuitry configured to produce a
20 digital receive signal from an analog radio-frequency signal; and
a second circuit partition, comprising receiver digital circuitry configured to accept the
digital receive signal, wherein the first and second circuit partitions are partitioned

so that interference effects between the first circuit partition and the second circuit partition tend to be reduced.